OUT 1 6 2000 P

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Protection Act of 1995, no personal to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO 10/612,330 Application Number July 2., 2003 INFORMATION DISCLOSURE Filing Date STATEMENT BY APPLICANT First Named Inventor Cubukcu et al. Group Art Unit Not yet assigned Examiner Name Not yet assigned (use as many sheets as necessary) 3 Attorney Docket Number 21980/04012 1 of Sheet

		<u>.</u>		U.S. PATENT DOCUMENTS	,	
Examiner Initials*	Cite No.1	U.S. Patent Do	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/RA/		4,659,448		Gordon	04/21/1987	
		4,764,488		Saito et al.	08/16/1998	
		4,789,561		Schaefer et al.	12/06/1995	
		4,867,902		Russell	09/19/1989	
		5,069,987		Gordon	12/03/1991	
		5,200,279		Draper et al.	04/06/1993	
		5,209,989		Ishihara et al.	02/11/1991	
		5,234,722		Ito et al.	08/10/1993	
		5,238,754		Yasuo et al.	08/24/1993	
		5,256,499		Minh et al.	11/26/1993	
		5,258,240	`	DiCroce et al.	11/02/1993	
		5,261,944		Lockhart et al.	11/16/1993	
		5,270,129		Ishida	12/14/1993	
		5,273,837		Aitken et al.	12/28/1993	
		5,279,906		Yoshimura et al.	01/18/1994	
		5,281,490		Nishioka et al.	01/25/1994	
		5,286,580		Ippommatsu et al.	02/15/1994	
		5,290,642		Minh et al.	03/01/1994	
		5,292,599		Soma et al.	03/08/1994	
ľ		5,306,411		Mazanec et al.	11/27/1990	
		5,312,700		Ishida	05/17/1994	
		5,326,650		Ishida	07/05/1994	
		5,330,859		McPheeters et al.	07/19/1994	·
]		5,332,483		Gordon	07/16/1994	
		5,336,569		Misawa et al.	08/09/1994	
		5,342,703		Kawasaki et al.	08/30/1994	
		5,354,626		Kobayashi et al.	10/11/1994	
		5,358,735		Kawasaki et al.	10/25/1994	
		5,368,951		Shiratori et al.	11/29/1994	
7/2		5,372,895		Sato et al.	12/13/1994	
V		5,376,468		Arai et al.	12/27/1994	

Signature // Naymond Alejandro/ Considered	Examiner Signature	/Raymond Alejandro/	Date 03/20/2007 Considered
--	-----------------------	---------------------	-------------------------------

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commission for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^{&#}x27;Unique citation designation number. 'See attached Kinds of U.S. Patent Documents. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard St. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

Please	type a	plus	sign	(+)	inside	this l	$box \rightarrow$

PTO/SB/08A (10-96) Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE quired to respond to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Protection Act of

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

3

2 Sheet of

Complete if Known					
Application Number	10/612,330				
Filing Date	July 2., 2003	,			
First Named Inventor	Cubukcu et al.				
Group Art Unit	Not yet assigned				
Examiner Name	Not yet assigned				
Attorney Docket Number	21980/04012				

				U.S. PATENT DOCUMENTS		
Examiner Initials*	itials* No.1 Number (if kn		Cument Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/RA/	[5,385,792		Shiratori et al.	01/31/1995	
		5,405,712		Yoshimura et al.	04/11/1995	
		5,409,371		Gordon	04/25/1995	
		5,413,879		Domaracki et al.	05/09/1995	
		5,418,081		Kawasaki et al.	05/23/1995	
		5,429,644		Arai et al.	07/04/1995	
		5,445,902		Soma et al.	08/29/1995	
		5,453,330		Kawasaki et al.	09/26/1995	· · · · · · · · · · · · · · · · · · ·
		5,460,897		Gibson et al.	10/24/1995	······
		5,474,800		Matasuzaki	12/12/1995	
		5,480,739		Kawasaki et al.	01/02/1996	
		5,486,428		Gardner et al.	01/23/1996	
		5,496,655		Lessing	03/05/1996	
		5,500,306		Hsu et al.	03/19/1996	
		5,500,307		Anzai et al.	03/19/1996	
		5,514,353		Adlhart	05/07/1996	· · · · · · · · · · · · · · · · · · ·
		5,518,830		Worrell et al.	05/21/1996	
		5,527,633		Kawasaki et al.	06/18/1996	
		5,531,019		Taira et al.	07/02/1996	
		5,541,014		Micheli et al.	07/30/1996	
		5,551,955		Taira et al.	09/03/1996	
		5,554,454		Gardner et al.	09/10/1996	
		5,573,867		Zafred et al.	11/12/1996	
		5,585,203		Chikagawa et al.	12/17/1996	*************************************
		5,589,017		Minh	12/31/1996	
		5,591,537		Bagger et al.	01/07/1997	
		5,595,833		Gardner et al.	01/21/1997	· · · · · · · · · · · · · · · · · · ·
		5,614,127		Khandkar et al.	03/25/1997	
		5,624,542		Shen et al.	04/29/1997	
		6,074,771		Cubukcu et al.	06/13/2000	
ΔL		6,496,655		Malloy Desormeaux	12/17/2002	
V		H1260		Towe	12/07/1993	

Examiner /Raymond Alejandro/ Date Signature 03/20/2007 Considered

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commission for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^{&#}x27;Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 18 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

PE JOST 1 1 700 F

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Protection Act of 2017 to The Control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Complete if Known			
			Application Number	10/612,330	
		JRE	Filing Date	July 2., 2003	
		NT	First Named Inventor	Cubukcu et al.	
				Group Art Unit	Not yet assigned
	(use as n	nany sheets as necessi	ary)	Examiner Name	Not yet assigned
Sheet	3	of	3	Attorney Docket Number	21980/04012

				FOREIGN PAT	ENT DOCUMENTS			
Examiner	Cite		Foreign Patent Docume	Kind Code ⁵	Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	76
Initials*	No.	Office ³	Number ⁴	(if known)	Document	MM-DD-YYYY	Figures Appear	1 10
7RA/		wo	94/06545	Al	University	03/31/1994		
/RA/		wo	94/26684	Al	The Arizona	07/24/1997		
		ļ	· · · · · · · · · · · · · · · · · · ·				ļ	
	l							

	OTHER ART
7RA/	Fuel Cells written by Nguyen Q. Minh at pages 561-608, 1996.
	Fuel Cells and Their Applications by Karl Kordesch and Günter Simader. Republic of Germany, 1996. Solid Oxide Fuel Cells (SOFC) at pp. 133-151.
	Fuel Cell Technology: Status and Future Prospects written by A.J. Appleby at pages 521-653, 1993.
	A Small Portable Proton Exchange Membrane Fuel Cell and Hydrogen Generator for Medical Applications written by Otto J. Adlhart, Peter Rohonyi, Dean Modroukas and Jack Driller. ASAIO Journal, 1997.
	Progress in Planar SOFC Science and Technology by A.C. Khandkar, S. Elangovan and J.J. Hartvigsen, 1996.
	Solid Oxide Fuel Cells: Materials and Technology by Timothy R. Armstrong and Jeffry W. Stevenson, 1996.
	The Westinghouse Solid Oxide Fuel Cell Program, 1996 IEEE. A Status Report written by Stephen E. Veyo.
V	Get Your O ₂ 's High Temperature Electroceramic Oxygen Separation and Reaction. Written by T.J. Mazanec. The Electrochemical Society Interface - Winter 1996.
	Cubukcu et al; U.S. Patent Application No. 09/392,190; Filed. 12-Jun-2000, Tide. CERAMIC COMPOSITE ELECTROLYTIC DEVICE (reference copy not enclosed) not available

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commission for Patents, Washington, DC 20231.

2D 5 0 5000 E

PTO/SB/08A (02-03) Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Index the Palameter Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

Co	mplete if Known	
Application Number	10/612,330	
Filing Date	07-02-2003	
First Named Inventor	Cubukcu et al.	
Art Unit	1746	
Examiner Name		
Attorney Docket Number	21980/04012	

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/RAV		US- 6,132,573	10-17-2000	Cubukcu et al.	
		US- 6,703,153	03-09-2004	Cubukcu et al.	
V		US- 6,592,965 B1	07-15-2003	Gordon	
		US-		·	
		US-			
		US-			
		US-			· · · · · · · · · · · · · · · · · · ·
	<u> </u>	US-			
		US-			
		US-			
		US-			· · · · · · · · · · · · · · · · · · ·
*		US-			
		US-			
		US-			
	<u> </u>	US-			
		US-	† 		
		US-			
	t —	US-		<u> </u>	
		US-		,	

	FORE	IGN PATENT DOCU	MENTS		_
Cite No.1	Foreign Patent Document	Publication Date	Name of Patentse or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
	Country Code ³ Number ⁴ Kind Code ⁵ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	ו
					Γ
					T
					T
					Γ
		,			Γ
					T

Examiner	/Raymond Alejandro/	Date	03/20/2007
Signature ·		Considered	00/20/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Petent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (02-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE or the Paperwork Feduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

1449/PTO

Substitute (PITTO)

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/612,330			
Filing Date	July 2, 2003			
First Named Inventor	Cubukeu et al.			
Art Unit	1746			
Examiner Name				
Attorney Docket Number	21980/04012			

Examiner Cite		Document Number	U. S. PATENT D Publication Date	Name of Patentee or	Pages Columns Lines Where
Initials*	Cite No.1	Number-Kind Code ^{2 (f known)}	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-	† · · · · · · · · · · · · · · · · · · ·		
		US-			
		US-			
		US-	7		
		US-		· · · · · · · · · · · · · · · · · · ·	
		US-			
		US-			
.,		US-			
		US-			
····		US-			
		US-		, , , , , , , , , , , , , , , , , , , ,	
		US-		· · · · · · · · · · · · · · · · · · ·	
		US-		· · · · · · · · · · · · · · · · · · ·	
		US-			
•		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	te Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Τ ⁶
			MM-DD-YYYY			
/RA/		EP 0668 622 A1	02-19-1994	Rolls-Royce plc		
	ļ					
						L
						L
	1					Į.

Examiner Signature	/Raymond Alejandro/	Date Considered	03/20/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ° For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.